

Title (en)  
SOLID COMPOSITE ELECTROLYTE

Title (de)  
FESTER VERBUNDELEKTROLYT

Title (fr)  
ÉLECTROLYTE COMPOSITE SOLIDE

Publication  
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Application  
**EP 19817303 A 20191211**

Priority  
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• EP 2019084682 W 20191211

Abstract (en)  
[origin: WO2020126751A1] The invention relates to a solid composite electrolyte comprising : i) at least one solid inorganic particle, ii) at least one ionic liquid electrolyte, and iii) at least one ionically non-conductive polymer, wherein the i) at least one solid inorganic particle is ionic conductive and is blended with the ii) at least one ionic liquid electrolyte. The invention also relates to a process for manufacturing the solid composite electrolyte, to a solid state battery comprising the solid composite electrolyte, and to the use of said solid composite electrolyte in a solid state battery for improving ionic conductivity and mechanical properties.

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**H01M 2300/0068** (2013.01 - US); **H01M 2300/0077** (2013.01 - EP KR); **H01M 2300/0082** (2013.01 - EP KR); **H01M 2300/0091** (2013.01 - EP KR);  
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Citation (search report)  
See references of WO 2020126751A1

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